Supplementary Table 1 Composition of the shoot induction media

Media Code	Concentrations
MSS-I	MS-Basal + 0.0 mg/L BAP + 0.0 mg/L IAA + 30 g Sucrose
MSS-II	MS-Basal + 0.5 mg/L BAP + 0.5 mg/L IAA + 30 g Sucrose
MSS-III	MS-Basal + 0.75 mg/L BAP + 0.5 mg/L IAA +30 g Sucrose
MSS-IV	MS-Basal + 1.0 mg/L BAP + 0.5 mg/L IAA + 30 g Sucrose
MSS-V	MS-Basal + 1.5 mg/L BAP + 0.5 mg/L IAA + 30 g Sucrose
MSS-VI	MS-Basal + 2.0 mg/L BAP + 0.5 mg/L IAA + 30 g Sucrose
MSS-VII	MS-Basal + 2.5 mg/L BAP + 0.5 mg/L IAA + 30 g Sucrose
MSS-VIII	MS-Basal + 3.0 mg/L BAP + 0.5 mg/L IAA + 30 g Sucrose
MSS-IX	MS-Basal + 3.5 mg/L BAP + 0.5 mg/L IAA + 30 g Sucrose
MSS-X	MS-Basal + 4.0 mg/L BAP + 0.5 mg/L IAA + 30 g Sucrose
MSS-XI	MS-Basal + 4.5 mg/L BAP + 0.5 mg/L IAA + 30 g Sucrose
MSS-XII	MS-Basal + 5.0 mg/L BAP + 0.5 mg/L IAA + 30 g Sucrose
MSS-XIII	MS-Basal + 5.5 mg/L BAP + 0.5 mg/L IAA + 30 g Sucrose
MSS-XIV	MS-Basal + 6.0 mg/L BAP + 0.5 mg/L IAA + 30 g Sucrose
MSS-XV	MS-Basal + 6.5 mg/L BAP + 0.5 mg/L IAA + 30 g Sucrose
MSS-XVI	MS-Basal + 7.0 mg/L BAP + 0.5 mg/L IAA + 30 g Sucrose

Note: Combinations of shoot induction media

MSS-I = **M**urashige and **S**kooge **S**hoot Induction Media-I
MSS-II = **M**urashige and **S**kooge **S**hoot Induction Media-II
MSS-III = **M**urashige and **S**kooge **S**hoot Induction Media-III
MSS-IV = **M**urashige and **S**kooge **S**hoot Induction Media-IV
MSS-V = **M**urashige and **S**kooge **S**hoot Induction Media-V
MSS-VI = **M**urashige and **S**kooge **S**hoot Induction Media-VI
MSS-VII = **M**urashige and **S**kooge **S**hoot Induction Media-VII
MSS-VIII = **M**urashige and **S**kooge **S**hoot Induction Media-VIII
MSS-IX = **M**urashige and **S**kooge **S**hoot Induction Media-IX
MSS-X = **M**urashige and **S**kooge **S**hoot Induction Media-X
MSS-XI = **M**urashige and **S**kooge **S**hoot Induction Media-XII
MSS-XII = **M**urashige and **S**kooge **S**hoot Induction Media-XII
MSS-XIII = **M**urashige and **S**kooge **S**hoot Induction Media-XIII
MSS-XIV = **M**urashige and **S**kooge **S**hoot Induction Media-XIV
MSS-XV = **M**urashige and **S**kooge **S**hoot Induction Media-XV
MSS-XVI = **M**urashige and **S**kooge **S**hoot Induction Media-XVI

Supplementary Table 2 Compositions of the root induction media

Media	Concentrations
MSR-I	½ MS-Basal + 0.0 mg/L NAA + 30 g Sucrose
MSR-II	½ MS-Basal + 0.5 mg/L NAA + 30 g Sucrose
MSR-III	½ MS-Basal + 0.7 mg/L NAA + 30 g Sucrose
MSR-IV	½ MS-Basal + 1.0 mg/L NAA + 30 g Sucrose
MSR-V	½ MS-Basal + 2.0 mg/L NAA + 30 g Sucrose
MSR-VI	½ MS-Basal + 3.0 mg/L NAA + 30 g Sucrose
MSR-VII	½ MS-Basal + 4.0 mg/L NAA + 30 g Sucrose
MSR-VIII	½ MS-Basal + 5.0 mg/L NAA + 30 g Sucrose
MSR-IX	½ MS-Basal + 6.0 mg/L NAA + 30 g Sucrose
MSR-X	½ MS-Basal + 7.0 mg/L NAA + 30 g Sucrose
MSR-XI	½ MS-Basal + 6.5 mg/L NAA + 30 g Sucrose

Note: Combinations of root induction media

MSR-I = **M**urashige and **S**kooge **R**oot Induction Media-I
MSR-II = **M**urashige and **S**kooge **R**oot Induction Media-II
MSR-III = **M**urashige and **S**kooge **R**oot Induction Media-III
MSR-IV = **M**urashige and **S**kooge **R**oot Induction Media-IV
MSR-V = **M**urashige and **S**kooge **R**oot Induction Media-V
MSR-VI = **M**urashige and **S**kooge **R**oot Induction Media-VI
MSR-VII = **M**urashige and **S**kooge **R**oot Induction Media-VII
MSR-VIII = **M**urashige and **S**kooge **R**oot Induction Media-VIII
MSR-IX = **M**urashige and **S**kooge **R**oot Induction Media-IX
MSR-XI = **M**urashige and **S**kooge **R**oot Induction Media-X
MSR-XI = **M**urashige and **S**kooge **R**oot Induction Media-XI

Supplementary Table 3 Composition of MS basal medium

Sr. No.	Ingredients	Quantity used (g/L)
I.	Micronutrient stock solution	
	Manganese sulphate ($MnSO_4 \cdot 4H_2O$)	16.9
	Zinc sulphate ($ZnSO_4 \cdot 7H_2O$)	8.6
	Boric acid (H_3BO_3)	6.2
	Potassium iodide (KI)	0.83
	Sodium molybdate ($Na\ MoO_4 \cdot 2H_2O$)	0.025
	Copper sulphate ($CuSO_4 \cdot 5H_2O$)	0.025
	Cobalt chloride ($CoCl_2 \cdot 6H_2O$)	0.025
II.	Vitamin-based stock solution	
	Pyridixone HCL($C_8H_{12}ClNO_3$)	0.5
	Thiamine HCL ($C_{12}H_8N_4OSCl_2$)	0.5
	Nicotinic acid ($C_6H_5NO_2$)	0.1
	Glycine (NH_2CH_2COOH)	2.0
	Casein acid	2.0
III.	Iron stock solution	
	Iron sulphate ($FeSO_4 \cdot 7H_2O$)	27.80
	Sodium EDTA (Na_2 EDTA$\cdot 2H_2O$)	37.26

Murashige and Skooge 1962